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IN THE CHIED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/936,848 Applicant : MURATA

Filed : September 18, 2001

 TC/A.U.
 : 2683

 Examiner
 : B. Miller

 Docket No.
 : 2576-120

 Customer No.
 : 06449

 Confirmation No.
 : 1439

INFORMATION DISCLOSURE STATEMENT

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith information that the Office may wish to consider in examination of the subject application. The publications are listed on the attached form PTO-1449.

Also enclosed is an English version of the Office Action which indicates the degree of relevance found by the Japan Patent Office.

I hereby certify that each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

Respectfully submitted,

 $\mathbf{B}\mathbf{v}$

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INFORMATION DISCLASURE STATEMENT BY APPLICANT				Com	plete if Known	
				Application Number	09/736,848	
				Filing Date	September 18, 2001	
				First Named Inventor	MURATA	
				Group Art Unit	2683	
				Examiner Name	B. Miller	
				Confirmation No.	1439	
Sheet	1	of	1	Attorney Docket Number	2576-120	

FOREIGN PATENT DOCUMENTS												
Examiner Initials*	Cite No.1	Office ³	Foreign Patent Docum	Kind⁵	Name of Patentee or Applicant of Cited Document		Date of Publication of Cited Document MM-DD-YYYY	T6				
		Code	T	(if known)		. <u></u>		$\vdash \vdash \vdash$				
	1	JP	09-054881		NEC ENG LT	D	02-25-1997	AB				
	2	JP	11-187153		DENSO COR	P	07-09-1999	AB				
	3	JP	11-088530		N T T IDO TS	USHINMO KK	03-30-1999	AB				
	4	JP	11-164340		OI ELECTRIC	COLTD	06-18-1999	AB				
Examiner Signature					Date Considered		_					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.